



**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/606,910F  
Source: IFW/6  
Date Processed by STIC: 4/5/07

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

**Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:**

1. EFS-Bio (<http://www.uspto.gov/efb/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/606,910F

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ✓ Misaligned Amino  
    Numbering    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
                  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  This sequence is intentionally skipped  
                  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
                  <210> sequence id number  
                  <400> sequence id number  
                  000
- 9      Use of n's or Xaa's  
    (NEW RULES)    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                  Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11      Use of <220>    Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12      PatentIn 2.0  
    "bug"    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa    "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/606,910F

DATE: 04/05/2007

TIME: 10:02:12

Input Set : A:\050185Sequence.txt

Output Set: N:\CRF4\04052007\I606910F.raw

3 <110> APPLICANT: Max-Delbrueck-Centrum fuer Molekulare Medizin  
 5 <120> TITLE OF INVENTION: Tumor vaccines for muc1-positive carcinomas  
 7 <130> FILE REFERENCE: 0107-027  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/606,910F  
 10 <141> CURRENT FILING DATE: 2000-06-29  
 12 <150> PRIOR APPLICATION NUMBER: DE 197 58 400.4  
 13 <151> PRIOR FILING DATE: 1997-12-30  
 15 <150> PRIOR APPLICATION NUMBER: PCT/DE98/03819  
 16 <151> PRIOR FILING DATE: 1998-12-30  
 18 <160> NUMBER OF SEQ ID NOS: 6  
 20 <170> SOFTWARE: PatentIn Ver. 2.1

*see pp 1-2*

## ERRORED SEQUENCES

**Does Not Comply**  
**Corrected Diskette Needed**

22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 7  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: human  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: immunodominant region of MUC1  
 30 <400> SEQUENCE: 1  
 31 Pro Asp Thr Arg Pro Ala Pro  
 E--> 32 1 ~~5~~ 5 *misaligned amino acid numbers (see item 3 on*  
 34 <210> SEQ ID NO: 2 *Err summary*  
 35 <211> LENGTH: 8 *sheet)*  
 36 <212> TYPE: PRT  
 37 <213> ORGANISM: mouse, IgG1  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: A76-A/C7 epitope  
 42 <400> SEQUENCE: 2  
 43 Ala Pro Asp Thr Arg Pro Ala Pro  
 E--> 44 1 ~~5~~ 5 *misaligned numbers*  
 47 <210> SEQ ID NO: 3  
 48 <211> LENGTH: 6  
 49 <212> TYPE: PRT  
 50 <213> ORGANISM: mouse, IgG1  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: MF06 epitope  
 55 <400> SEQUENCE: 3  
 56 Asp Thr Arg Pro Ala Pro  
 E--> 57 1 ~~5~~ 5 *misaligned*  
 59 <210> SEQ ID NO: 4

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/606,910F

DATE: 04/05/2007

TIME: 10:02:12

Input Set : A:\050185Sequence.txt

Output Set: N:\CRF4\04052007\I606910F.raw

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60 <211> LENGTH: 21
61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: designed
66     synthetical glycopeptide
68 <400> SEQUENCE: 4
69 Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser
E--> 70 1 5-10-15 5 10 15
72 Thr Ala Pro Pro Ala
E--> 73 20 20 misaligned number
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: designed
82     synthetical glycopeptide
84 <400> SEQUENCE: 5
85 His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr
E--> 86 1 5-10-15 5 10 15
88 Ala Pro Pro Ala
E--> 89 20 20 misaligned
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 7
95 <212> TYPE: PRT
96 <213> ORGANISM: human
98 <220> FEATURE:
99 <221> NAME/KEY: DOMAIN
100 <222> LOCATION: (1) .. (7)
101 <223> OTHER INFORMATION: immunodominant motif of the epithelial mucin (
102     MUC1)
104 <400> SEQUENCE: 6
105 Pro Asp Thr Arg Pro Ala Pro
E--> 106 1 5 5

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/606,910F

DATE: 04/05/2007

TIME: 10:02:13

Input Set : A:\050185Sequence.txt

Output Set: N:\CRF4\04052007\I606910F.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:32 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1  
L:44 M:932 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
L:57 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
L:70 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4  
L:73 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4  
L:86 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
L:89 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
L:106 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6

=====

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: Wed May 23 14:00:36 EDT 2007

=====

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Reviewer Comments:

<210> 2

<211> 8

<212> PRT

<213> mouse, IgG1

<220>

<223> A76-A/C7 epitope

<400> 2

Ala Pro Asp Thr Arg Pro Ala Pro

1

5

<210> 3

<211> 6

<212> PRT

<213> mouse, IgG1

<220>

<223> MF06 epitope

<400> 3

Asp Thr Arg Pro Ala Pro

1

5

Remove the ", IgG1" from the response for numeric identifier <213> in SEQ ID # 2 and 3.

For SEQ ID # 1, 2, and 3 add numeric identifiers <221> and <222> to the feature.

\*\*\*\*\*

Validated By CRFValidator v 1.0.2

Application No: 09606910

Version No: 7.0

Input Set:

Output Set:

Started: 2007-05-23 13:23:10.352

Finished: 2007-05-23 13:23:10.466

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 114 ms

Total Warnings: 2

Total Errors: 0

No. of SeqIDs Defined: 6

Actual SeqID Count: 6

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)

SEQUENCE LISTING

<110> Max-Delbrueck-Centrum fuer Molekulare Medizin

<120> Tumor vaccines for mucl-positive carcinomas

<130> 0107-027

<140> 09606910

<141> 2000-06-29

<150> Ser. No. 09/606,910

<151> 2000-06-29

<150> DE 197 58 400.4

<151> 1997-12-30

<150> PCT/DE98/03819

<151> 1998-12-30

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 7

<212> PRT

<213> human

<220>

<223> immunodominant region of MUC1

<400> 1

Pro Asp Thr Arg Pro Ala Pro

1 5

<210> 2

<211> 8

<212> PRT

<213> mouse, IgG1

<220>

<223> A76-A/C7 epitope

<400> 2

Ala Pro Asp Thr Arg Pro Ala Pro

1 5

<210> 3

<211> 6

<212> PRT

<213> mouse, IgG1

<220>

<223> MF06 epitope



<400> 3

Asp Thr Arg Pro Ala Pro

1 5

<210> 4

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: designed  
synthetical glycopeptide

<400> 4

Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser

1 5 10 15

Thr Ala Pro Pro Ala

20

<210> 5

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: designed  
synthetical glycopeptide

<400> 5

His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr

1 5 10 15

Ala Pro Pro Ala

20

<210> 6

<211> 7

<212> PRT

<213> human

<220>

<221> DOMAIN

<222> (1) .. (7)

<223> immunodominant motif of the epithelial mucin (  
MUC1)

<400> 6

Pro Asp Thr Arg Pro Ala Pro

1 5